

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problems Mailbox.**

ON-2
 3' TGAGGACT *
 ON-1
 CCTCTTCAGACGGGC 5'
 (+) 5'...GCCACCTGACTCCTGA GGAGAACTCTGCCCGTTACTG...3' Template
 (-) 3'...CGTGGACTGAGGACT* CCTCTTCAGACGGGCAATGAC...5'
 ON-3
 5' CACCCTGACTCCTGA GGAGAAAT 3'
 ON-4

(*A-T* is the target base pair)

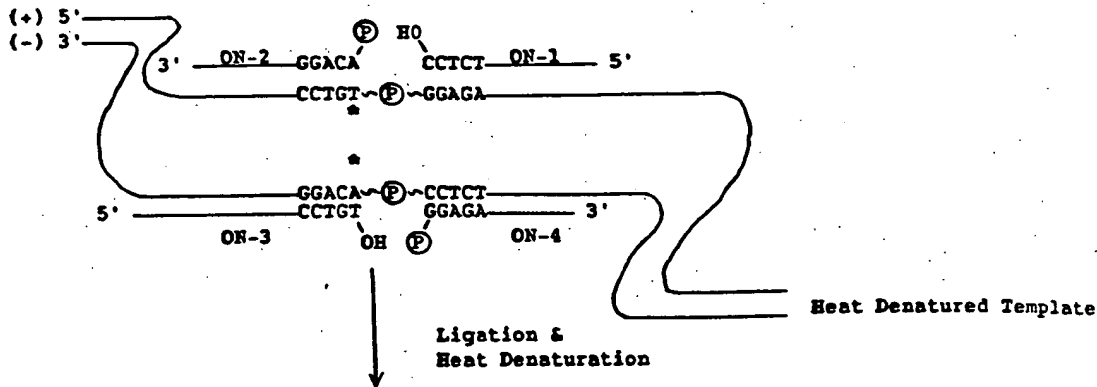
FIGURE 1

ON-s2
 3' TGAGGACA *
 ON-1
 CCTCTTCAGACGGCC 5'
 (+) 5'...GCACCTGACTCCTGT GGAGAA GTCTGCCCGTTACTG ...3' Template
 (-) 3'...CGTGGACTGAGGACA CCTCTTCAGACGGCCATGAC ...5'
 5' CACCCTGACTCCTGT GGAGAA GT 3'
 ON-s3 ON-4

(*T-A* is the target base pair of interest)

FIGURE 2

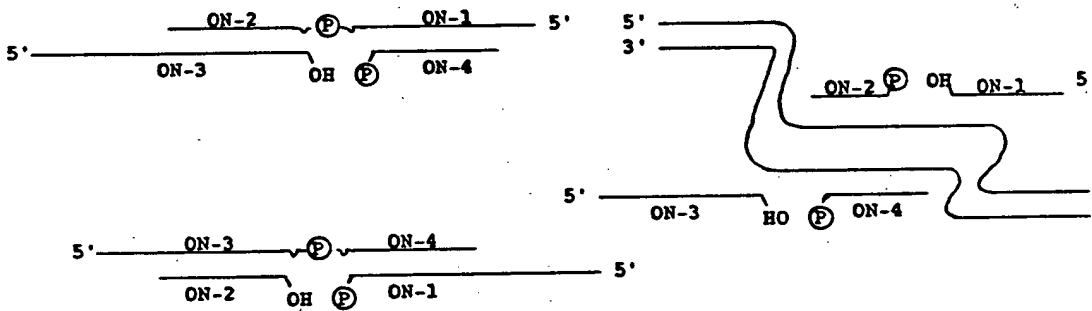
Round 1



Ligation Products

Annealing

Round 2



Ligation & Heat Denaturation

Products

Round N

$(1 + Q)^{N-1}$ Product

FIGURE 3

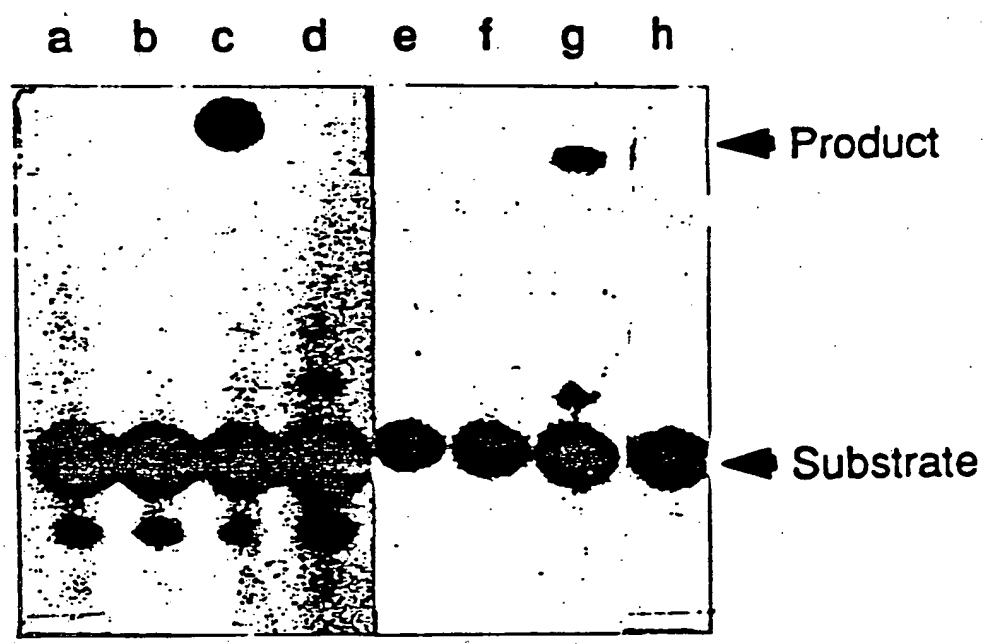


FIGURE 4

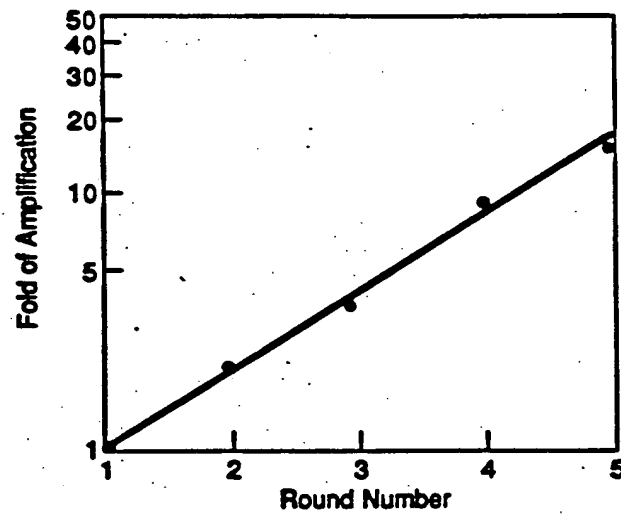
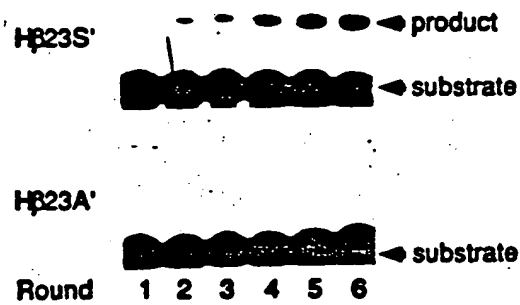
B.**A.**Template

FIGURE 5

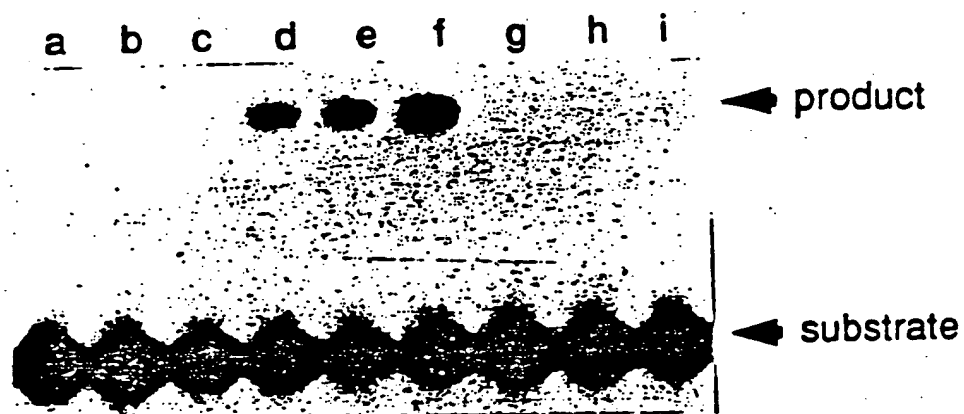


FIGURE 6

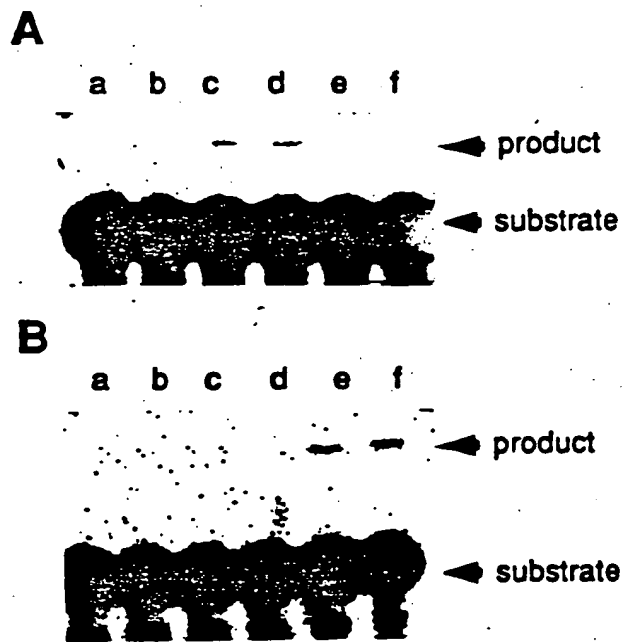


FIGURE 7

a b c d e f



FIGURE 8

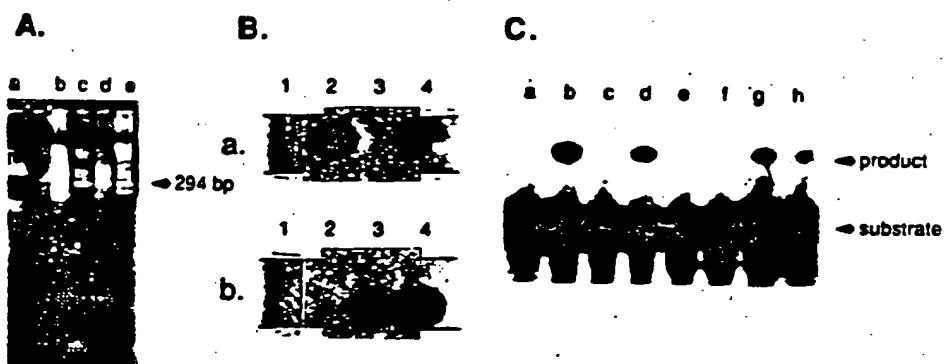


FIGURE 9